| Index | of Cl | aims |  |
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|       |       |      |  |

| Application/ | Control | No. |
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|--------------|---------|-----|

Douglas M. Menz

10/791,911

Date

Examiner

Applicant(s)/Patent under Reexamination

HO ET AL.

Art Unit

2891

√ Rejected
= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|  |                                  |   |              |             |              | ,          |          |              |                 |
|--|----------------------------------|---|--------------|-------------|--------------|------------|----------|--------------|-----------------|
| Cla  | im                               |   |              |             | Date         | e ·        |          |              |                 |
| Final  | Opiginal                         | 2946  |              |             |              |            |          |              |                 |
| <u> </u>   | 1                                | -   | $\vdash$     | -           | -            |            | $\vdash$ | -            | $\vdash$        |
| 1  | 1<br>2<br>3                      | <del>  -   -</del>                                | ┢            | $\vdash$    | <del> </del> |            | H        | $\vdash$     | Н               |
| 1  | - 2                              | <del>                                     </del>  | ┼—           | -           | ŀ            | <b></b> -  | -        |              | H               |
|  | 7                                | <del>                                     </del>  | ╁            |             |              | -          | $\vdash$ |              | $\vdash$        |
| 7  | <u>4</u><br>5                    | <del>     </del>                                  | ╁            |             | _            |            | ┝        | -            | Н               |
| 1  | 6                                | Н   | -            |             | -            | ┢          |          | _            | Н               |
| 7  | 7                                | <del>                                      </del> | ┢╌           |             |              |            | ┝        |              | H               |
| 234567891011   | 8                                | $\Box$  | H            |             |              |            |          | -            |                 |
| 9  | 9                                | <del>                                      </del> | $\vdash$     |             |              |            |          | -            | $\vdash$        |
| 10   | 10                               | <b>     </b>                                      | 1            | _           | _            | $\vdash$   |          | _            | Н               |
| ii ii  | 11                               |   | ┢            |             |              |            | _        |              | H               |
| 12   | 11<br>12                         | -   | T            |             |              |            | Т        |              | H               |
| 13   | 13                               | H   | T            |             |              | l          | T        |              | H               |
| 13   | 14                               |   | $\vdash$     |             |              |            | T-       |              | П               |
| 15   | 13<br>14<br>15<br>16<br>17<br>18 | $H^{\perp}$                                       | 1            |             |              |            | $\Box$   |              | П               |
| 16   | 16                               |   | Γ            |             |              |            |          |              | П               |
| 17   | 17                               |   |              |             |              |            |          |              |                 |
| 13   | 18                               |   |              |             |              |            |          |              | П               |
| 19   | 19                               |   | Т            |             |              | _          |          |              | П               |
| 19   | 20                               | 1   |              |             |              |            |          |              |                 |
| 121  | 21                               |   |              |             |              |            |          |              |                 |
| 22   | 22                               |   |              |             |              |            |          |              |                 |
| 23   | 22<br>23                         |   |              |             |              |            |          |              |                 |
| 24   | 24                               |   |              |             |              |            |          |              |                 |
| 25   | 24<br>25                         |   |              |             |              |            |          |              |                 |
| 26   | 26                               |   |              |             |              |            |          |              |                 |
| 27   | 27<br>28                         | $\Box$  |              |             |              | _          |          |              |                 |
| 23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32 | 28                               |   | $oxed{oxed}$ |             |              |            |          |              |                 |
| 29   | 29                               | Ш   | L            |             |              |            |          | <u> </u>     |                 |
| 30   | 30                               | Ш   | lacksquare   |             |              | <u> </u>   |          |              | Ш               |
| 31   | 31                               | <b>H</b> —  | $oxed{oxed}$ |             |              |            |          |              | Ш               |
| 32   | 32                               | ш.  |              |             |              |            |          |              |                 |
| 33<br>34   | 33                               | -   | $oxed{oxed}$ |             |              |            | <u> </u> | <u> </u>     | Ш               |
| 34   | 34                               |   | $\vdash$     |             |              | <b> </b> - | <u> </u> | <u> </u>     | Щ               |
| 133 1  | 35                               | H -   | <del> </del> |             |              | <u> </u>   | <u> </u> | <u> </u>     | Щ               |
| 36<br>37<br>38   | 36                               | H   |              | _           |              | <u> </u>   |          | <u> </u>     |                 |
| 2/   | 37                               |   |              |             |              | <u> </u>   | ├        | <del> </del> | Н               |
| 38   | 38<br>39                         | #   | $\vdash$     |             |              | <u> </u>   | <u> </u> |              | $\vdash \vdash$ |
| 39   |                                  | ₩   | $\vdash$     |             |              | <u> </u>   | $\vdash$ | $\vdash$     | ${oxed{H}}$     |
| 40   | 40<br>41                         |   | $\vdash$     |             |              | _          | H        | -            | $\vdash\vdash$  |
| 41   | 41                               | $\vdash$  | -            |             |              | $\vdash$   |          | -            | $\vdash$        |
| 42   | 43                               | <del>                                     </del>  | $\vdash$     | _           | _            | $\vdash$   |          |              | $\vdash$        |
| 44   | 44                               |   | H            | <u> </u>    | -            | -          | $\vdash$ | $\vdash$     | $\vdash$        |
| 45   | 45                               | $\vdash$  | $\vdash$     |             |              | _          | $\vdash$ | -            |                 |
| 46   | 46                               |   |              |             |              | -          |          | -            | $\vdash$        |
| 47   | 47                               | <del>                                      </del> | -            |             |              |            | $\vdash$ | -            | -               |
| 48   | 48                               | <del>                                     </del>  |              | <u> </u>    |              |            | $\vdash$ | Н            | $\vdash$        |
| 49   | 49                               |   |              | <del></del> |              |            | $\vdash$ |              | $\vdash$        |
| 50   | 50                               |   | $\vdash$     |             |              | $\vdash$   | -        |              | H               |
| للالا  |                                  |   |              |             |              |            | l .      |              | لببا            |

| <u></u>  | aiiii  |              |  |              |          | Jan   |              |               |          |              |
|--|--|--------------|--|--------------|----------|---|--------------|---------------|----------|--------------|
| Final  | Original   | 4/367        |  |              |          |   |              |               |          |              |
| =1   | E4   | _            |  | ⊢            |          |   |              | -             | $\vdash$ | $\vdash$     |
| 51   | 51   | 三            |  |              |          |   |              |               |          |              |
| 52   | 52   | Ц            |  | l            |          |   |              |               |          |              |
| 53   | 53   | П            |  |              |          |   |              |               |          |              |
| SH.  | 54   | 11-          |  |              | <u> </u> |   | $\vdash$     |               | $\vdash$ | $\vdash$     |
| 1  | 55   | ╢            |  |              |          | <del> </del>  | ┢            |               | $\vdash$ | $\vdash$     |
| 122  | 55   | н            |  | ├            | _        | -   | ⊢            |               | <u> </u> | <del> </del> |
| 56   | 51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>59<br>60 | Ц.           |  | _            |          | Ь   |              |               |          | _            |
| 57   | 57   | Ш            |  |              |          |   | L            |               |          |              |
| 58   | 58   | Ш            |  |              |          |   |              |               |          |              |
| 54   | 59   | П            |  | Г            |          |   |              |               |          |              |
| 10   | 60   | ⇈            |  |              | $\vdash$ |   | -            |               | _        |              |
| 100  | 61   | ╀            | -  | $\vdash$     | $\vdash$ | ├-  | _            |               | ┝        | ┝            |
| ы  | 61   | ⇊            | <u> </u>   | <u> </u>     |          | <b></b>   | ┡            | <u> </u>      |          |              |
| 62   | 62   |              | ·  |              |          |   | <u></u>      | Ĺ             |          |              |
| 63   | 62<br>63   | IJĪ          | <u> </u>   | ]            | 1        |   |              |               |          |              |
| 64   | 64   | П            |  |              |          |   |              |               |          | Г            |
| 15   | 64<br>65<br>66<br>67<br>68<br>69                         | 1            | <del>                                     </del> |              | $\vdash$ | _   | $\vdash$     | Ι             |          | $\vdash$     |
| 10)  | 66   | <b>H</b> -   | -  | <del> </del> | $\vdash$ | $\vdash$  | -            | ├             |          |              |
| 66   | 00   | 1            | $\vdash$   | $\vdash$     | $\vdash$ | <u> </u>  |              | <u> </u>      | ļ        | ļ            |
| 67   | 67   | <u></u>      |  |              | <u> </u> |   |              | L             |          |              |
| 68   | 68   | 1            |  |              | 1        |   |              |               |          |              |
| 69   | 69   |              |  |              |          |   |              |               |          |              |
| 70   | 70   |              |  |              | _        |   |              | $\vdash$      | _        | _            |
| 70   | 71   | -            | $\vdash$   | ┢            | ├-       |   |              | ├             |          | ┢            |
| 71   | 70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | <del> </del> |  |              | <u> </u> | <u> </u>  | _            | <u> </u>      |          |              |
| 72   | 1/2  | _            | _  |              | _        |   |              | <u> </u>      |          | L.           |
| 73   | 73   | <u> </u>     |  |              |          |   |              | <u> </u>      |          |              |
| 74   | 74   | 1            |  |              |          |   |              |               |          |              |
| 75   | 75   |              |  |              |          |   |              |               |          |              |
| 76   | 76   |              | $\vdash$   |              | $\vdash$ |   |              |               | _        |              |
| 22   | 77   |              | $\vdash$   | <u> </u>     | $\vdash$ |   | $\vdash$     |               | _        | _            |
| 4/   | 70   | -            | $\vdash$   |              | $\vdash$ | ├   | _            | -             | -        | _            |
| 13   | /8   | 1            | L  |              |          | <u> </u>  |              |               | <u> </u> |              |
| 79   | 79   | Ц_           |  |              | Ш        |   |              |               |          |              |
| 80   | 80   | 11           |  |              |          |   |              |               |          |              |
| 31   | 81   | П            |  |              |          |   |              |               |          |              |
| 02   | 82<br>83   | П            | _  |              |          |   |              |               |          |              |
| 00   | 02   | Н            |  |              | -        | $\vdash$  | -            | -             | _        |              |
| 73   | 0.4  | +            | <b>—</b>   | -            | $\vdash$ | $\vdash$  |              | <u> </u>      |          | <b> </b>     |
| 84   | 84   | 1            |  |              | $\vdash$ | <u> </u>  | <u> </u>     | <u> </u>      |          | <u> </u>     |
| 85   | 85<br>86   | Ш            | L.   | <u> </u>     | _        | $ldsymbol{le}}}}}}$ | $oxed{oxed}$ |               |          |              |
| 87   | 86   | Ш            | L  | L            | L        | L   | L            | L             | L        | L            |
| 89   | 87   |              |  |              |          |   |              |               |          |              |
| 99   | 88<br>89   | П            |  |              |          |   |              |               |          |              |
| 90   | 80   | H            |  |              |          | _   |              | _             |          |              |
| 77   | 90   | Н            | _  |              | $\vdash$ | _   | $\vdash$     | $\vdash$      | -        | -            |
| 51<br>53<br>54<br>55<br>57<br>58<br>59<br>60<br>61<br>63<br>64<br>66<br>66<br>67<br>77<br>77<br>77<br>77<br>77<br>77<br>77 | 1 30   | -            |  | <u> </u>     | $\vdash$ | $\vdash$  | $\vdash$     | -             |          | <del> </del> |
| 42   | 91   | 4            |  |              |          | <u> </u>  | L            | L             |          |              |
| 93   | 92   | Ш            |  | <u></u>      |          |   |              |               |          |              |
| 93   | 93   | Ш            |  | L            |          |   | L.           |               | L.       | L            |
| 95   | 94   | Γ            |  |              |          |   |              |               |          |              |
| ØL   | 95   | =            |  |              |          |   |              |               |          |              |
| 0.0  | 96   | _            | $\vdash$   |              | Н        | $\vdash$  | H            |               | _        | <u> </u>     |
| -  | 97   |              |  | $\vdash$     |          | $\vdash$  |              | <del>  </del> |          | -            |
|  | 3/   | Н            | $\vdash$   | $\vdash$     | Н        | <del>ا</del>  |              |               | -        |              |
| <u> </u>   | 98   | Н            | <b></b>  | <u> </u>     | <b> </b> |   | <u> </u>     | $\vdash$      |          | <u> </u>     |
| <u> </u>   | 99   | L_           |  | _            | Ш        | <u> </u>  | L            |               |          |              |
| <u> </u>   | 100  |              | L  | L            | L        | <u> </u>  | L            |               |          |              |

| Claim    |   | Date   |         |               |          |          |          |          |              |               |
|----------|---|--------|---------|---------------|----------|----------|----------|----------|--------------|---------------|
|          |   |        |         |               |          |          |          |          | П            |               |
| <u> </u> | ina   |        |         |               |          |          |          |          |              |               |
| Final    | Original                                      |        |         |               | ŀ        |          |          |          | ĺ            |               |
| 1        | 0   |        |         |               |          |          |          |          |              |               |
|          | 101   |        |         |               |          |          |          |          | <b>-</b>     |               |
|          | 102   |        |         | Г             |          |          |          |          |              |               |
|          | 102<br>103                                    |        | _       | $\vdash$      |          |          |          |          |              |               |
|          | 104   |        |         | $\vdash$      |          |          |          |          |              |               |
|          | 105<br>106<br>107                             |        |         | $\vdash$      |          |          |          |          |              |               |
|          | 106   |        |         |               | -        |          |          |          |              | H             |
|          | 107   |        |         | Г             |          |          |          |          |              |               |
|          | 108   |        |         |               |          |          |          |          |              |               |
|          | 108<br>109                                    |        |         |               |          |          |          |          |              |               |
|          | 110   |        | -       | $\vdash$      |          | Г        |          |          |              |               |
|          | 111   |        |         |               |          |          |          | $\vdash$ |              | П             |
|          | 112   |        |         |               |          |          |          |          |              | П             |
|          | 113   | $\Box$ |         | $\overline{}$ | Г        |          | _        |          |              |               |
|          | 114   |        |         |               |          |          |          | _        | Г            | П             |
|          | 113<br>114<br>115                             |        | <b></b> |               | Г        | Г        |          |          |              | М             |
|          | 116   |        |         | _             |          |          |          | $\vdash$ |              |               |
|          | 117   |        |         |               |          | $\vdash$ |          | $\vdash$ | $\vdash$     |               |
|          | 118   |        |         | $\vdash$      |          | $\vdash$ | $\vdash$ | Т        |              |               |
|          | 119<br>120<br>121                             | -      |         | $\vdash$      |          |          |          | _        | $\vdash$     | Н             |
|          | 120   |        |         |               |          | $\vdash$ |          |          | $\vdash$     | Н             |
|          | 121   | _      |         | $\vdash$      |          | $\vdash$ |          | $\vdash$ | $\vdash$     |               |
|          | 122   |        | _       | _             | _        |          |          | _        | <del> </del> | Н             |
|          | 123   |        |         |               | $\vdash$ | Н        | _        | _        | -            | Н             |
|          | 122<br>123<br>124                             |        |         | Н             | $\vdash$ |          | _        | _        | $\vdash$     | Н             |
|          | 125   |        |         |               | -        |          | _        | _        | -            |               |
|          | 125<br>126<br>127<br>128<br>129<br>130<br>131 |        |         |               |          |          | _        |          |              |               |
|          | 127   |        |         |               |          |          |          |          |              |               |
|          | 128   |        |         |               |          |          |          |          |              |               |
|          | 129   |        |         |               |          |          |          |          |              |               |
|          | 130   |        |         |               |          |          |          |          |              | П             |
|          | 131   |        |         |               |          |          |          |          |              | П             |
|          | 132   |        |         |               |          |          |          |          | Г            |               |
|          | 133   |        |         |               |          |          |          | _        |              | П             |
|          | 133<br>134                                    |        |         |               |          |          |          |          |              |               |
|          | 135   |        |         |               |          |          |          |          |              |               |
|          | 136   |        |         |               |          |          |          |          |              |               |
|          | 136<br>137<br>138                             |        |         |               |          |          |          |          | Г            |               |
|          | 138   |        |         |               |          |          |          |          |              |               |
|          | 139   |        |         |               |          |          |          |          |              | П             |
|          | 140   |        |         |               |          |          |          |          |              | $\neg$        |
|          | 141   |        |         |               |          |          |          |          |              |               |
|          | 142   |        |         |               |          |          |          |          |              | П             |
|          | 143   |        |         |               |          |          |          |          |              | П             |
|          | 144   |        |         |               |          |          |          |          | П            | П             |
|          | 145   |        |         | П             | П        |          |          |          | П            | П             |
|          | 146   |        |         |               |          |          |          |          |              | П             |
|          | 147   |        |         |               |          |          |          |          |              | Н             |
|          | 148   |        |         |               |          |          |          |          |              | Н             |
|          | 149   |        |         |               |          |          |          |          |              | $\Box$        |
|          | 150   |        |         |               |          |          |          |          |              |               |
|          |   |        |         | _             | _        |          |          |          |              | $\overline{}$ |